## BRUHATH BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

**Name of Work: Providing RCC Drain in Main Roads and Cross roads of Kalappa layout in Ward No 10.**

| | | | | | Estimate Cost: | | | | 3500000.00 |
|---|---|---|---|---|---|---|---|---|---|
| **Sl** | **Description of item** | **Unit** | **No** | **L** | **B** | **D** | **Qty** | **Rate** | **Amount** |
| 1 | Removing B.S. slab of Drain and stacking. ( P No.24 / i 5.32 SR 2010-11) | Sqm | | | | | | | |
| | RR School Road | | 1 | 200.00 | 0.40+0.45+0.40 | | 250.00 | | |
| | Church Road | | 2 | 100.00 | 0.30+0.30+0.30 | | 270.00 | | |
| | Cross Roads | | 1 | 120.00 | 0.30+0.30+0.30 | | 72.00 | | |
| | | | 1 | 35.00 | 0.30+0.30+0.30 | | 21.20 | | |
| | | | 1 | 165.00 | 0.30+0.30+0.30 | | 99.00 | | |
| | | | 1 | 150.00 | 0.30+0.30+0.30 | | 90.00 | | |
| | | | | | | | **805.20** | 42.77 | **34436.79** |
| | Basic Rate | 39.60 | | | | | | | |
| | Area Weightage @ 8% | 3.17 | | | | | | | |
| | **Total** | **42.77** | | | | | | | |
| 2 | KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as | **Cum** | | | | | | | |
| | RR School Road | | 1 | 200.00 | 1.00 | 1.00 | 200.00 | | |
| | Church Road | | 2 | 100.00 | 1.05 | 1.00 | 210.00 | | |
| | Cross Roads | | 1 | 120.00 | 1.00 | 1.00 | 120.00 | | |
| | | | 1 | 35.00 | 1.00 | 1.00 | 35.00 | | |
| | | | 1 | 165.00 | 1.00 | 1.00 | 165.00 | | |
| | | | 1 | 150.00 | 1.00 | 1.00 | 150.00 | | |
| | | | | | | | **880.00** | | |
| | Deduction of Existing Drain | | 2 | 870.00 | 0.30 | 0.30 | 156.60 | | |
| | | | | | | | **724.68** | 129.60 | **93918.53** |
| | Basic Rate | 120.00 | | | | | | | |
| | Area Weightage @ 8% | 9.60 | | | | | | | |
| | **Total** | **129.60** | | | | | | | |
| 4 | laying in position plain cement concrete mix 1:4:8 using 40mm and down size graded granite metal machine, concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specification No.KBS 4.1, 4.2 ( | Cum | | | | | | | |
| | RR School Road | | 1 | 200.00 | 0.90 | 0.15 | 27.00 | | |
| | Church Road | | 2 | 100.00 | 0.90 | 0.15 | 27.00 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Cross Roads | | 1 | 120.00 | 0.90 | 0.15 | 16.20 | | |
| | | | 1 | 35.00 | 0.90 | 0.15 | 4.73 | | |
| | | | 1 | 165.00 | 0.90 | 0.15 | 22.28 | | |
| | | | 1 | 150.00 | 1.00 | 0.15 | 22.50 | | |
| | | | | | | | **120.78** | 3495.96 | **422242.05** |
| | Basic Rate | 3101.00 | | | | | | | |
| | Add Differnce in cost of cement 3.40 x 40.00 | 136.00 | | | | | | | |
| | | 3237.00 | | | | | | | |
| | Area Weightage @ 8% | 258.96 | | | | | | | |
| | **Total** | **3495.96** | | | | | | | |
| 5 | removing centering,shuttering, strutting, propping etc.., and removal of form work for vertical surface such as walls at any thickness,including attached pilasters, buttresses,plinth and string courses cost of all materials,labour complete as | Sqm | | | | | | | |
| | RR School Road | | 1x4 | 200.00 | | 0.80 | 640.00 | | |
| | Church Road | | 2x4 | 100.00 | | 0.80 | 640.00 | | |
| | Cross Roads | | 1x4 | 120.00 | | 0.75 | 360.00 | | |
| | | | 1x4 | 35.00 | | 0.75 | 105.58 | | |
| | | | 1x4 | 165.00 | | 0.75 | 495.00 | | |
| | | | 1x4 | 150.00 | | 0.80 | 480.00 | | |
| | | | | | | | **2717.58** | 172.80 | **469597.82** |
| | Basic Rate | 160.00 | | | | | | | |
| | Area Weightage @ 8% | 12.80 | | | | | | | |
| | **Total** | **172.80** | | | | | | | |
| 6 | KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slab, staircase, lintels, retaining walls, walls (any thickness) includingattached pilasters, columns,piers, abutments, pillars,posts,struts, buttresses, string or lacing courses,parapets,coping, bed blocks, anchor blocks plain window cills,fillets etc.., | Cum | | | | | | | |
| | Bottom Concrete | | | | | | | | |
| | RR School Road | | 1 | 200.00 | 0.75 | 0.15 | 22.50 | | |
| | Church Road | | 2 | 100.00 | 0.75 | 0.15 | 22.50 | | |
| | Cross Roads | | 1 | 120.00 | 0.75 | 0.15 | 13.50 | | |
| | | | 1 | 35.00 | 0.75 | 0.10 | 2.63 | | |
| | | | 1 | 165.00 | 0.75 | 0.10 | 12.38 | | |
| | | | 1 | 150.00 | 0.75 | 0.10 | 11.25 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Side Walls | | | | | | | | |
| | RR School Road | | 2 | 200.00 | 0.15 | 0.60 | 36.00 | | |
| | Church Road | | 2x2 | 100.00 | 0.15 | 0.60 | 36.00 | | |
| | Cross Roads | | 2 | 120.00 | 0.15 | 0.60 | 21.60 | | |
| | | | 2 | 35.00 | 0.15 | 0.60 | 6.30 | | |
| | | | 2 | 165.00 | 0.15 | 0.60 | 29.70 | | |
| | | | 2 | 150.00 | 0.15 | 0.60 | 27.00 | | |
| | | | | | | | **241.56** | 5247.72 | **1267639.24** |
| | Basic Rate | 4539.00 | | | | | | | |
| | Add Differnce in cost of cement 8.00 x 40.00 | 320.00 | | | | | | | |
| | | 4859.00 | | | | | | | |
| | Area Weightage @ 8% | 388.72 | | | | | | | |
| | **Total** | **5247.72** | | | | | | | |
| | | | | | | | | | |
| 8 | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms.in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of alllabour complete | Cum | | | | | | | |
| | RR School Road | | 2 | 200.00 | 0.30 | 0.80 | 96.00 | | |
| | Church Road | | 2x2 | 100.00 | 0.30 | 0.75 | 90.00 | | |
| | Cross Roads | | 2 | 120.00 | 0.30 | 0.75 | 54.00 | | |
| | | | 2 | 35.00 | 0.30 | 0.75 | 15.75 | | |
| | | | 2 | 165.00 | 0.30 | 0.75 | 74.25 | | |
| | | | 1 | 150.00 | 0.30 | 0.75 | 33.75 | | |
| | | | | | | | **362.34** | 87.26 | **31619.24** |
| | Basic Rate | 80.80 | | | | | | | |
| | Area Weightage @ 8% | 6.46 | | | | | | | |
| | **Total** | **87.26** | | | | | | | |
| 7 | steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design ( laps, hooks and westage shall not be measured and paid) cost of materials, labour, HOM of machinery | Qntl | | | | | | | |
| | | | 0.75 | 241.56 | | | **181.17** | 5838.48 | **1057757.42** |
| | Basic Rate | 5406.00 | | | | | | | |
| | Area Weightage @ 8% | 432.48 | | | | | | | |
| | **Total** | **5838.48** | | | | | | | |
| 9 | Refixing stone slabs of drains and pointing in C.M. (1:3) ( P No.24 / i 5.33 SR 2010-11) | Sqm | | | | | | | |
| | Covering | | Qty. Vide Item No. 1 | | | | 805.20 | | |
| | | | | | | | **805.20** | 57.00 | **45896.40** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 47.50 | | 47.50 | | | | | |
| | Area Weightage @ 8% | 3.80 | | 5.28 | | | | | |
| | **Total** | **51.30** | | 52.78 | | | | | |
| 9 | Leadfor disposalof debris shall be payable at the following rates | **Cum** | | 4.22 | | | | | |
| | Basic rate for haulage of materials as per item no.17.4 page 118) Rs. 2.00 | | | 57.00 | | | | | |
| | Average weight of earth 1.28 tonne / kg for 5X1.20X2.00=12.00 | 12.00 | | | | | | | |
| | Add loading and unloading Vide item no.17.1 P.no.118 | 62.20 | | | | | | | |
| | | **74.20** | | | | | | | |
| | Area Weightage @ 8% | 5.94 | | Qty. Vide Item No. 1 | | | **423.90** | 80.14 | 33969.65 |
| | **Total** | 80.14 | | | | | | | |
| 10 | Miscellaneous and unforeseen charges | | | | | | | | 367.85 |
| | | | | | | | | **Total** | **3500000.00** |

**(Rupees:- Thirty Five Lakhs Only)**

Approved by the Competent Authority

Level to be got

**CERTIFICATE**

1. Certified that I have personally inspected the area and prepared the Estimate.
2. Certified that the work proposed in this estimate is approved under Additional Grants 2010-2011
3. Certified that the work proposed in this estimate is not including in any other scheme.
4. Certified that the above estimate is prepared as per PWD SR 2010-11.

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub-Division
B.B.M.P. Bangalore.

Executive Engineer
Byatarayanapura Division.
B.B.M.P. Bangalore.

ADMINISTRATIVELY SANCTIONED FOR Rs. 35.00 Lakh

Rupees Thirty Five Lakh

Under 11-12 P.1771 Zonal works POW

Registered as E E ( ) No. G O

Subject to conditions contained in enclosed memo EE ( ) No. 21/

Dt. 11.7.11 Estimate A/Sanctioned No. 21

dated 11.7.11 Rs. 35.00 Lakh

Joint Commissioner
(Byatarayanapura)

Technical Sanction Rs. 35.00 Lakhs.
Thirty five Lakhs only/-

under 11-12 P1771 Zonal works POW

registered as CE/YNK/TB/28/11-12 Subject to Conditions contained in enclosed memo No. Dt. 21/07/11

AE/JE

ST

CA(YNK)

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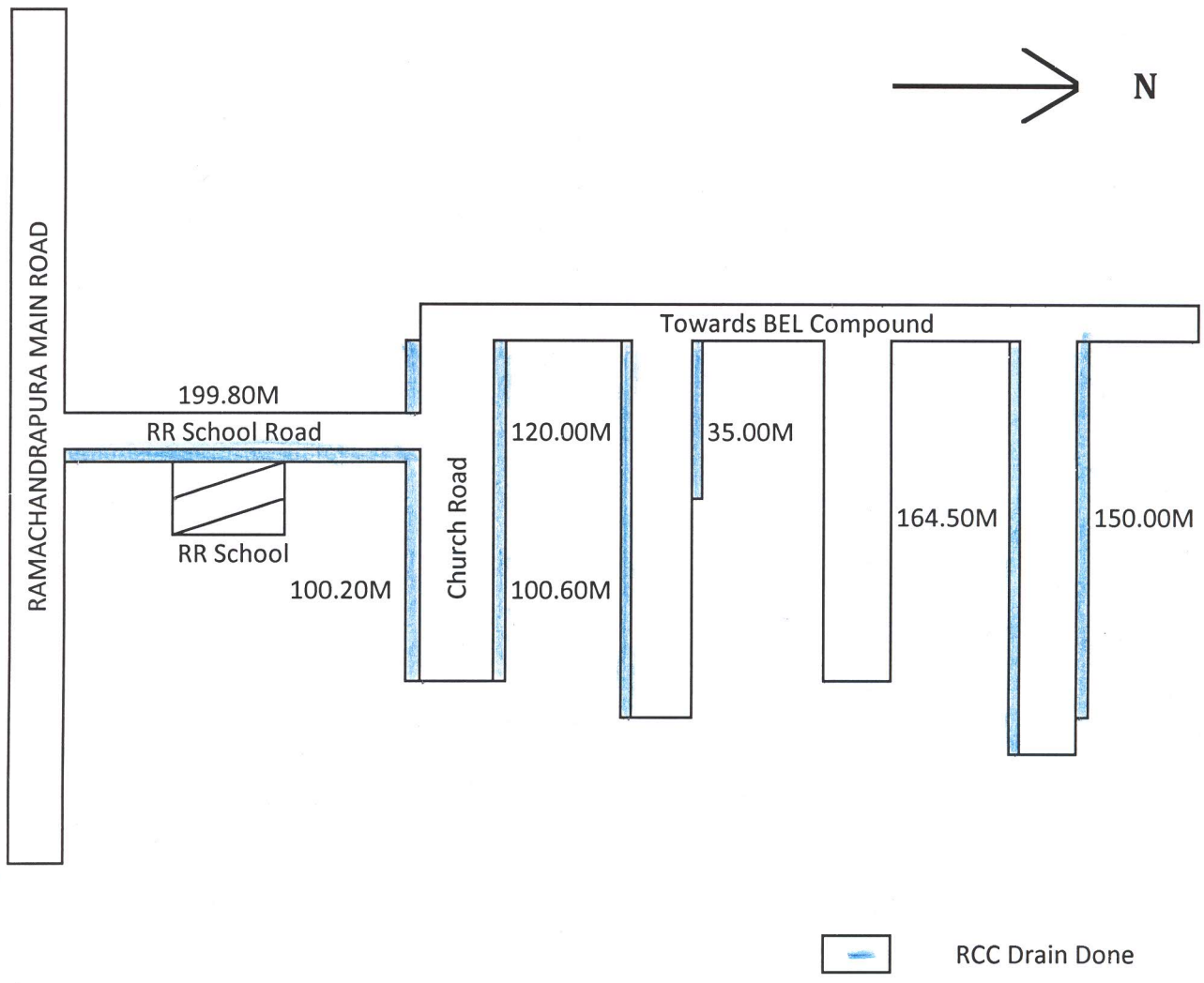
Sketch Showing Providing RCC Drain in Main Roads and Cross Roads of kallappa Layout in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.




Jadhav
AE W-10